

Listing of Claims:

AMENDMENTS TO THE CLAIMS

This listing of claims replaces all prior versions and listings of claims in the Application:

WHAT IS CLAIMED IS:

1. (Original) A method of inducing an immune response in a bird against *Campylobacter*, comprising administering, *in ovo*, during the final quarter of incubation, an immunizing effective amount of live cells of a *Campylobacter* species.
2. (Original) The method of claim 1, wherein said bird is a domesticated bird.
3. (Original) The method of claim 2, wherein said domesticated bird is selected from the group consisting of a chicken, a turkey, and a duck.
4. (Original) The method of claim 1, wherein said species of *Campylobacter* used in the administration is selected from the group consisting of *C. jejuni*, *C. coli*, and *C. lari*.
5. (Currently Amended) ~~The method of claim 1, wherein the live cells used in the administration comprise~~ A method of inducing an immune response in a bird against *Campylobacter*, comprising administering, *in ovo*, during the final quarter of incubation, an immunizing effective amount of live cells of more than one species of *Campylobacter*.
6. (Original) The method of claim 1, wherein the live cells are wild type or have been modified genetically.
7. (Original) The method of claim 6, wherein a heterologous polynucleotide sequence has been introduced into the live cells of *Campylobacter*.
8. (Currently Amended) The method of claim 7, wherein said heterologous polynucleotide sequence encodes a protein essential in colonization of a domesticated birds-bird by *Campylobacter*.
9. (Original) The method of claim 7, wherein said heterologous polynucleotide sequence encodes an antigen from a virus, bacteria, or parasite that causes disease in a domesticated bird.
10. (Original) The method of claim 7, wherein said heterologous polynucleotide sequence encodes an antigen from an organism that causes food-borne illness in humans.

11. (Original) The method of claim 7, wherein said heterologous polynucleotide sequence encodes a protein that enhances the growth or feed efficiency of a domesticated bird.
12. (Currently Amended) The method of claim 7, wherein said heterologous polynucleotide sequence encodes a protein that stimulates the ~~birds'~~bird's immune system.
13. (Original) The method of claim 1, further comprising administering a veterinary-acceptable carrier.
14. (Original) The method of claim 13, wherein said veterinary-acceptable carrier is combined with the live cells of *Campylobacter* prior to *in ovo* administration.
15. (Original) The method of claim 13, wherein said veterinary-acceptable carrier is administered to the bird in feed or water, or by aerosol spray, at any time after hatching.
16. (Currently Amended) The method of claim ~~14 or 15~~, wherein said veterinary-acceptable carrier is an adjuvant.
17. (Currently Amended) The method of claim ~~14 or 15~~16, wherein said adjuvant has an immune-stimulating activity.
18. (Original) The method of claim 1, wherein live cells of *Campylobacter* are combined with at least one other immunogen selected from a viral, a bacterial or a protozoan immunogen.
19. (New) The method of claim 15, wherein said veterinary-acceptable carrier is an adjuvant.
20. (New) The method of claim 19, wherein said adjuvant has an immune-stimulating activity.